

## FRIEDMAN &amp; BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

Date of Report: February 26, 1991  
Date Submitted: February 21, 1991  
Project: TCLP Test, P.O. #18975

RESULTS OF ANALYSES OF THE WATER SAMPLE  
FOR TCLP METALS IN ACCORDANCE WITH  
40 CFR PART 261  
Results Reported as mg/L (ppm)

<u>Sample #</u>	<u>M18975</u>	<u>Regulatory Level</u>
<u>Analyte:</u>		
Arsenic	<0.02	5.0
Barium	0.06	100
Cadmium	<0.02	1.0
Chromium	0.04 <sup>a</sup>	5.0
Lead	<0.02	5.0
Mercury	<0.02	0.2
Selenium	<0.02	1.0
Silver	1.4	5.0

<sup>a</sup> - The analyte indicated was also found in the blank sample.

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40 CFR PART 261  
Results Reported as mg/L (ppm)  
Quality Assurance

<u>Sample #</u>	<u>Method</u> <u>Blank</u>	<u>M18975</u> <u>Duplicate</u>	<u>Regulatory</u> <u>Level</u>
<u>Analyte:</u>			
Arsenic	<0.02	<0.02	5.0
Barium	<0.02	<0.02	100
Cadmium	<0.02	<0.02	1.0
Chromium	0.04 <sup>a</sup>	<0.02	5.0
Lead	<0.02	<0.02	5.0
Mercury	<0.02	<0.02	0.2
Selenium	<0.02	<0.02	1.0
Silver	<0.02	1.7	5.0

<sup>a</sup> - The analyte indicated was also found in the blank sample.

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### RESULTS OF ANALYSES OF THE WATER SAMPLE FOR TCLP METALS IN ACCORDANCE WITH 40 CFR PART 261 Results Reported as % Recovery TCLP Extract Spiked at the Indicated Level Quality Assurance

<u>Sample #</u>	M18975 Matrix Spike Spiked @ 10 ppm <sup>b</sup> % Recovery	M18975 Matrix Spike Duplicate Spiked @ 10 ppm <sup>b</sup> % Recovery
<u>Analyte:</u>		
Arsenic	102%	79%
Barium	101%	71%
Cadmium	98%	82%
Chromium	105%	69%
Lead	102%	79%
Mercury	86%	0% <sup>c</sup>
Selenium	90%	62%
Silver	175%	0% <sup>c</sup>

<sup>a</sup> - The analyte indicated was also found in the blank sample.

<sup>b</sup> - Silver spiked at 1 ppm.

<sup>c</sup> - Poor matrix spike duplicate recovery due to digestate boiling dry. A digested spike resulted in 67% mercury recovery and 94% silver recovery.

☐ Call for Instructions

Seattle, WA 98119

## Contact

### Chain of Custody Record

Lawrence A. Speer

DATE: 2/21/91

**SITE NUMBER:**

[illegible]

Time: